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OICE

RAW SEQUENCE LISTING

DATE: 08/08/2002

PATENT APPLICATION: US/10/076,248

TIME: 10:31:35

Input Set : A:\10076248sequencelisting.txt

Output Set: N:\CRF3\08082002\J076248.raw

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4 <110> APPLICANT: Mitchell, Lloyd
5      Garcia-Blanco, Mariano
6      Puttaraju, Madaiah
8 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
9      SPLICEOSOME MEDIATED RNA TRANS-SPLICING
12 <130> FILE REFERENCE: A31304B-A-F 069906.0105
14 <140> CURRENT APPLICATION NUMBER: 10/076,248
15 <141> CURRENT FILING DATE: 2002-02-12
17 <150> PRIOR APPLICATION NUMBER: 09/941,492
18 <151> PRIOR FILING DATE: 2001-08-29
20 <150> PRIOR APPLICATION NUMBER: 09/838,858
21 <151> PRIOR FILING DATE: 2001-04-20
23 <150> PRIOR APPLICATION NUMBER: 09/756,096
24 <151> PRIOR FILING DATE: 2001-01-08
26 <150> PRIOR APPLICATION NUMBER: 09/158,863
27 <151> PRIOR FILING DATE: 1998-09-23
29 <150> PRIOR APPLICATION NUMBER: 09/133,717
30 <151> PRIOR FILING DATE: 1998-08-13
32 <150> PRIOR APPLICATION NUMBER: 09/087,233
33 <151> PRIOR FILING DATE: 1998-05-28
35 <150> PRIOR APPLICATION NUMBER: 08/766,354
36 <151> PRIOR FILING DATE: 1996-12-13
38 <150> PRIOR APPLICATION NUMBER: 60/008,317
39 <151> PRIOR FILING DATE: 1995-12-15
42 <160> NUMBER OF SEQ ID NOS: 17
44 <170> SOFTWARE: FastSEQ for Windows Version 4.0
46 <210> SEQ ID NO: 1
47 <211> LENGTH: 8
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: FLAG epitope
54 <400> SEQUENCE: 1
55 Asp Tyr Lys Asp Asp Asp Asp Lys
56 1      5
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 23
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: T7 RNA polymerase promoter sequence
67 <400> SEQUENCE: 2
68 taatacgact cactataggg aga

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70 <210> SEQ ID NO: 3
71 <211> LENGTH: 23
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: SP6 RNA polymerase promoter sequence
W--> 78 <221> NAME/KEY: variation
79 <222> LOCATION: 22
80 <223> OTHER INFORMATION: a, g, c, or t
W--> 82 <400> 3
W--> 83 atttaggtga cactatagaa gng 23
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 23
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: T3 RNA polymerase RNA sequence
93 <400> SEQUENCE: 4
94 aattaaccct cactaaaggg aga 23
96 <210> SEQ ID NO: 5
97 <211> LENGTH: 31
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Oligonucleotide primer
104 <400> SEQUENCE: 5
105 ctaggcggcc gcctgctggt gttttgcttc c 31
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Oligonucleotide primer
115 <400> SEQUENCE: 6
116 gtttcgctaa atactggcag g 21
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 31
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Oligonucleotide primer
126 <400> SEQUENCE: 7
127 ctaggcggcc gcctgctggt gttttgcttc c 31
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 19
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Oligonucleotide primer

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137 <400> SEQUENCE: 8
138 ctggcagggcg tttcgtcag
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 27
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: 3' splice site
148 <400> SEQUENCE: 9
149 cagggcgggct tcgtctggga ctgggtg
151 <210> SEQ ID NO: 10
152 <211> LENGTH: 8
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: 5' splice site
159 <400> SEQUENCE: 10
160 cggtaagt
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 120
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: PTM binding domain
170 <400> SEQUENCE: 11
171 gattcacttg ctccaattat catcctaagc agaagtgtat attcttattt gtaaagattc 60
172 tattaactca ttgattcaa aatatttaaa atacttcctg tttcatactc tgctatgcac 120
175 <210> SEQ ID NO: 12
176 <211> LENGTH: 24
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: PTM spacer sequence
183 <400> SEQUENCE: 12
184 aacattatta taacgttgct cgaa
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 62
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: PTM branch point, polypyrimidine tract and
193 acceptor splice site
195 <400> SEQUENCE: 13
196 tactaactgg tacctcttct tttttttttg atatcctgca gggcggcttc gtctgggact 60
197 gg
199 <210> SEQ ID NO: 14
200 <211> LENGTH: 70
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence

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204 <220> FEATURE:
205 <223> OTHER INFORMATION: PTM 5' donor site and spacer sequences
207 <400> SEQUENCE: 14
208 tgaacggttaa gtgttatcac cgatatgtgt ctaacctgat tcgggccttc gatacgctaa 60
209 gatccaccgg 70
211 <210> SEQ ID NO: 15
212 <211> LENGTH: 260
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: PTM binding domain
219 <400> SEQUENCE: 15
220 tcaaaaagtt ttcacataat ttcttacctc ttcttgaatt catgctttga tgacgcttct 60
221 gtatctatat tcatcattgg aaacaccaat gatttttctt taatggtgcc tggcataatc 120
222 ctggaaaact gataacacaa tgaaattctt ccactgtgct taaaaaaacc ctcttgaatt 180
223 ctccatttct ccataatca tcattacaac tgaactctgg aaataaaacc catcattatt 240
224 aactcattat caaatcacgc 260
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 32
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: PTM splice product
234 <400> SEQUENCE: 16
235 ccgtttacag ggcggcttcg tctgggactg gg 32
237 <210> SEQ ID NO: 17
238 <211> LENGTH: 29
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: PTM splice product
245 <400> SEQUENCE: 17
246 tctgtatgaa cggctctggtc tttgccgac 29

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/08/2002
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 22

VERIFICATION SUMMARY

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L:78 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

L:82 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3

L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0